

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-14 09:47:45

Date of Next Testing: 2027-04-13 09:47:45

Product Name: ($\pm$)-1,3-Butanediol

CAS Number: 107-88-0

Specifications & Purity: anhydrous, $\geq 99\%$

Lot #: D2308766

SKU #: B119672

Version: 0

Analysis #: 205553

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.004-1.007	1.00580
Refractive index n ₂₀ /D	1.439-1.441	1.44018
Water by Karl Fischer	≤ 0.01 (%)	0.00980 %
Purity(GC)	99-100 (%)	99.78800 %
Appearance (B119672)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager